

ABSTRACT

A system for delivering solute to a target location within a mammalian body, the system including a medical device, a thermosensitive cellulose gel structure over the medical device, and a biologically active solute within said gel structure. The gel structure deswells and expels the biologically active solute with an increase in gel temperature. The invention includes a method of delivering solute to a target location, where the method includes the steps of providing a thermosensitive cellulose gel structure, wherein the gel structure is loaded with a solute; positioning the loaded gel structure to the target location; and increasing the temperature of the loaded gel structure.

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